

What is claimed is:

1. A fine powder of metallic copper having a BET diameter of  $3\mu\text{m}$  or less, particles of high sphericity and crystallites having a size of 0.1 to  $10\mu\text{m}$ .
2. The fine powder of metallic copper according to Claim 1, wherein oxygen is contained at 0.3% by weight or less.
3. The fine powder of metallic copper according to Claim 1 which is to be used as a material for electroconductive pastes.
4. A process for producing the fine powder of metallic copper by blowing an ammonia-containing gas onto molten copper, wherein the molten copper is kept at  $1120^{\circ}\text{C}$  or higher.
5. The process according to Claim 4 for producing the fine powder of metallic copper, wherein said ammonia-containing gas is ammonia gas itself, or a mixture of ammonia gas and a non-oxidative or inert gas.
6. The process according to Claim 5 for producing the fine powder of metallic copper, wherein said ammonia-containing gas is blew at  $0.015\text{L/minute}$  or more per unit area ( $\text{cm}^2$ ) of said molten copper.